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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/829,653		04/22/2004	Masafumi Hizukuri	36685	36685 7014	
116	7590	01/09/2006		EXAM	EXAMINER	
PEARNE & GORDON LLP JOHNSON, JON 1801 EAST 9TH STREET				ONATHAN J		
SUITE 1200		KEEI		ART UNIT	PAPER NUMBER	
CLEVELAN	ND, OH	44114-3108		1725	-	
				DATE MAILED: 01/09/200	DATE MAILED: 01/09/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/829,653	HIZUKURI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Jonathan Johnson	1725	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address	•
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period or - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. nely filed the mailing date of this communicat (C) (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 10-2	<u>1-05</u> .		
2a) ☐ This action is FINAL . 2b) ☑ This	action is non-final.		
3) Since this application is in condition for allowa	nce except for formal matters, pro	osecution as to the merits	is
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-12 is/are pending in the application			
4a) Of the above claim(s) 4,8 and 12 is/are with			
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-3,5-7 and 9-12</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) 1-12 are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examine	er.		
10) The drawing(s) filed on is/are: a) acc		Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is ob	jected to. See 37 CFR 1.121	1(d).
11)☐ The oath or declaration is objected to by the Ex	kaminer. Note the attached Office	Action or form PTO-152.	
Priority under 35 U.S.C. § 119			·
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).	
a)⊠ All b)□ Some * c)□ None of:			
1.⊠ Certified copies of the priority document		! \ !-	
2. Certified copies of the priority document			
3. Copies of the certified copies of the prio	•	ed in this ivational Stage	
application from the International Bureat * See the attached detailed Office action for a list		ad .	
See the attached detailed Office action for a list	or the certified copies not receive	,u.	
Attachment(s)			
Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)	
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail D 5) Notice of Informal F	ate Patent Application (PTO-152)	
Paper No(s)/Mail Date <u>4-22-04;10-5-04</u> .	6) Other:	,	

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Species 1 in the reply filed on 10-21-05 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1,2,3,5,6,7,9,10, 11, and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by EP 0761371 (Sato). Sato teaches a bonding tool, abutting on the object to be bonded (figure 1, item 3d); and a pressing unit, pressing the bonding tool to the object to be bonded (figure 3, item 23); wherein the bonding tool includes: a traverse elongated horn (figure 1, item 3); a vibrator, applying a longitudinal vibration to the horn in a first direction along the longitudinal direction of the horn (figure 1, item 1); a protruding part, protruding from the horn in a second direction substantially perpendicular to the first direction; a bonding operation part, provided in the end part of the protruding part to abut on the object to be bonded (figure 1, item 3); and a heating unit, inserted into a mounting hole provided in the horn (figure 1, item 6); and wherein the heating unit is mounted into the mounting hole with a space maintained from the inner surface of the mounting hole (figure 1, item 3e); wherein the vent part is a traverse elongated slit in the first

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direction (figure 1, hole at item 7); where a vent part is provided for preventing the transfer of heat to the vibrator in the horn between the vibrator and the bonding operation part (opening at item 6); a traverse elongated horn (figure 1, item 3); a vibrator, applying a longitudinal vibration to the horn in a first direction along the longitudinal direction of the horn (figure 1, item 1); a protruding part, protruding from the horn in a second direction substantially perpendicular to the first direction (figure 1, item 3); a bonding operation part, provided in the end part of the protruding part to abut on the object to be bonded (figure 1, item 3); and a rod shaped heating unit, inserted into a mounting hole provided in the horn; wherein the heating unit is mounted into the mounting hole with a space maintained from the inner surface of the mounting hole (figure 1, item 6); wherein a vent part is provided for preventing the transfer of heat to the vibrator in the horn between the vibrator and the bonding operation part (opening at item 6);

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jonathan Johnson whose telephone number is 571-272-1177. The examiner can normally be reached on M-Th 7:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pat Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jonathan Johnson Primary Examiner Art Unit 1725